

Title (en)  
DETECTION AND AMPLIFICATION CIRCUIT.

Title (de)  
DETEKTIONS- UND VERSTÄRKUNGSSCHALTUNG.

Title (fr)  
CIRCUIT DE DETECTION ET D'AMPLIFICATION.

Publication  
**EP 0245303 A4 19881027 (EN)**

Application  
**EP 86906145 A 19860925**

Priority  
US 80006385 A 19851120

Abstract (en)  
[origin: WO8703412A1] A disc drive control system including servo sectors (S1, S2...) written on a disk, (13) with each sector containing three sets of marker pulses (P1, P2, P3) arranged to that three adjacent marker pulses from each of the sets spans two tracks (G1). The pulses each comprise high frequency sinusoidal signals. Servo control depends upon the pulse amplitudes sensed by the read/write head while traversing a servo sector.

IPC 1-7  
**G11B 5/596**

IPC 8 full level  
**G11B 5/596** (2006.01); **G11B 21/10** (2006.01)

CPC (source: EP KR US)  
**G11B 5/596** (2013.01 - KR); **G11B 5/59688** (2013.01 - EP US)

Citation (search report)

- [E] WO 8703130 A1 19870521 - XEBEC DEV PARTNERS LTD [US]
- [Y] FR 2563958 A1 19851108 - RADIOTECHNIQUE COMPELEC [FR]
- [Y] GB 1241032 A 19710728 - BROOKDEAL ELECTRONICS LTD [GB]
- [A] FR 2330200 A1 19770527 - SONY CORP [JP]
- [A] US 4539608 A 19850903 - HILL JOHN P [US], et al
- [A] US 4301416 A 19811117 - PERAHIA AVRAHAM
- [Y] P.R. GRAY et al.: "Analysis and design of analog integrated circuits", 2nd edition, 1984, pages 233-246, John Wiley & Sons, New York, US; "Transistor current sources and active loads"
- [A] IEEE TRANSACTIONS ON MAGNETICS, vol. SC-19, no. 6, December 1984, pages 919-924, IEEE, New York, US; D.B. RIBNER et al.: "Design techniques for cascoded CMOS op amps with improved PSRR and common-mode input range"
- See references of WO 8703412A1

Designated contracting state (EPC)  
FR IT

DOCDB simple family (publication)  
**WO 8703412 A1 19870604**; DE 3690612 T1 19880128; EP 0245303 A1 19871119; EP 0245303 A4 19881027; GB 2191609 A 19871216; GB 8715443 D0 19870805; JP S63501388 A 19880526; KR 880700995 A 19880413; US 4688119 A 19870818

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**US 8601986 W 19860925**; DE 3690612 T 19860925; EP 86906145 A 19860925; GB 8715443 A 19860925; JP 50529486 A 19860925; KR 870700631 A 19870720; US 80006385 A 19851120